|   |                                       |  |             |             |          |            |            |          |          |              |                |            |          | 10/708,996 |          |          |              |          |          |              |          |          |          | SUN ET AL. |            |          |          |         |    |          |          |          |          |             |      |
|---|---------------------------------------|--|-------------|-------------|----------|------------|------------|----------|----------|--------------|----------------|------------|----------|------------|----------|----------|--------------|----------|----------|--------------|----------|----------|----------|------------|------------|----------|----------|---------|----|----------|----------|----------|----------|-------------|------|
|   |                                       |  |             |             |          |            |            |          |          |              |                |            | Examiner |            |          |          |              |          |          |              |          |          | Art Unit |            |            |          |          |         |    |          |          |          |          |             |      |
|   |                                       |  |             |             |          |            |            |          |          |              |                |            |          |            | ····     |          | Stephen A Vu |          |          |              |          |          |          |            |            |          |          | 3636    |    |          |          |          |          | <del></del> | ···· |
|   |                                       |  | Г           | _           |          |            |            | ]        |          | Г            | Γ              | IT         | hrou     | iah t      | 1117     | 107      | al\          | $\neg$   | ſ        | $\neg$       |          |          |          |            | 1          | П        |          |         |    |          | $\neg$   |          |          |             |      |
|   | √ Rejected – (Through numer Cancelled |  |             |             |          |            |            |          |          |              | 1              | aı;<br>    |          |            | N        | Non-Elec |              | cted     |          | Α            | Appeal   |          |          |            |            |          |          |         |    |          |          |          |          |             |      |
|   |                                       |  | =           | Allowed     |          |            |            |          | +        |              |                | Restricted |          |            |          |          |              |          | ı        | Interference |          |          |          | 0          | Objected   |          |          |         |    |          |          |          |          |             |      |
| ļ | Cla                                   | laim   |             |             |          |            | Date       |          |          |              |                | Clain      |          |            | n ,      |          |              | Dat      |          |              |          |          |          | С          | laim       |          | Date     |         |    |          |          | $\Box$   |          |             |      |
|   | · =                                   | Original 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 |             |             |          |            | ł          |          |          | <del>-</del> | ğ              |            |          |            |          |          |              |          |          | a l          | ā        | ŀ        |          |            |            |          |          |         |    |          |          |          |          |             |      |
|   | Final                                 | Original                                       | 95          | 05          |          |            |            |          |          |              |                |            | Final    | Original   |          |          |              |          |          |              | Ì        |          |          | Final      | Original   |          |          |         |    |          |          |          | Ì        |             |      |
| Ì | $\Box$                                | 1  | <b>√</b>    | V           |          |            |            |          |          |              | 匚              | 1          |          | 51         |          |          |              | ╛        | $\Box$   | $\exists$    | ゴ        |          |          |            | 101        |          |          | 土       | ⇇  |          |          |          |          |             |      |
| ł |                                       | 3  | ₩           |             | -        | ├          | -          | -        |          | -            | ┝              | ┨          |          | 52<br>53   | -        | _        | Н            | $\dashv$ | -        | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$ | -          | 102<br>103 | $\vdash$ | +        | +       | ╀  |          | Н        | -        | $\dashv$ |             |      |
| l |                                       | 4  | $\parallel$ | $\dagger$   |          |            |            |          |          |              |                | 1          |          | 54         |          |          |              |          | ⇉        | コ            |          |          |          |            | 104        |          |          | $\perp$ | 上  |          |          |          |          |             | •    |
|   | $\Box$                                | 5  | $\prod$     | $\prod$     | L        |            | _          |          |          | L            | _              | ]          |          | 55         | L        |          |              | _        | _        |              | $\dashv$ | _        | $\dashv$ |            | 105        |          | 4        | _       |    |          | П        | $\Box$   | _        |             |      |
| ł |                                       | <u>6</u><br>7                                  | ₩           | ╫           | -        | ┝          | ⊢          | H        | -        | -            | ┝              | 1          |          | 56<br>57   | -        | -        | Н            | $\dashv$ | -        | $\dashv$     | $\dashv$ | $\dashv$ |          | -          | 106<br>107 | Н        | +        | ┰       | ╁  | -        | $\vdash$ | -        | $\dashv$ |             |      |
| Ì |                                       | 8  | ഥ           | $\parallel$ |          |            |            |          |          |              |                | 1          |          | 58         |          |          |              |          |          |              |          |          |          |            | 108        |          |          |         |    |          |          |          |          |             | -    |
| ļ | $\Box$                                | 9  | -           | 1           | _        | _          | <u> </u>   | -        | L        | L            | L              | 1          |          | 59         |          | Ш        | Щ            | _        | -        | $\dashv$     | 4        | 4        | $\dashv$ | <b> </b>   | 109        | $\vdash$ | -        | +       | -  |          |          | $\dashv$ | 4        |             |      |
| ŀ |                                       | 10<br>11                                       | ╫╴          | ╁           | -        | ┢          | -          | ⊢        | -        | ┢            | ╁╌             | 1          |          | 60<br>61   | -        | Н        | Н            | $\dashv$ | $\dashv$ | $\dashv$     | ┥        | ┪        |          | -          | 110<br>111 | -        |          |         | +  |          | Н        | -        | $\dashv$ |             |      |
| Ì |                                       | 12   | ഥ           |             |          |            |            |          |          |              |                | 1          |          | 62         |          |          |              |          |          |              |          |          |          |            | 112        |          |          |         |    |          |          |          |          |             |      |
|   |                                       | 13   | #           | 4           | -        | -          | -          | _        | L        | _            |                | 1          |          | 63<br>64   |          |          | Н            | -        | -        | -            | $\dashv$ | $\dashv$ | _        | $\vdash$   | 113        | Н        | +        | +       | +  |          | Н        | $\dashv$ | $\dashv$ |             |      |
|   |                                       | 14<br>15                                       | ╫           | Н.          | -        | -          | -          |          | -        | $\vdash$     | ╁              | 1          |          | 65         |          |          |              | -        | -        | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$ |            | 115        | -        |          | +       | +  | -        |          | -        |          |             |      |
|   |                                       | 16   | V           | V           |          |            |            |          |          |              |                | 1          |          | 66         |          |          |              | $\Box$   |          | $\Box$       | $\Box$   | $\Box$   |          |            | 116        |          |          | 1       | 퇶  |          |          |          |          |             |      |
|   |                                       | 17   | ╀           | ┡           | _        | _          | ├-         | _        | _        | ┡            | ┞              | -          |          | 67<br>68   | -        | _        | _            | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$ |          |          |            | 117<br>118 | -        | +        |         | ╬  | -        | $\vdash$ |          | {        |             |      |
| ŀ |                                       | 18<br>19                                       | ╫           | ├           | -        | ╁          | ┢          | ├        | ┝        | ├-           | ├              | 1 !        |          | 69         | -        | -        | Н            | $\dashv$ | $\dashv$ | $\dashv$     | -        | ᅥ        |          |            | 119        | $\vdash$ | $\dashv$ | +       | ╁╌ | ┢        | $\vdash$ |          |          |             |      |
| ļ |                                       | 20   |             |             |          |            |            |          |          |              |                | ]          |          | 70         |          |          |              |          |          | $\Box$       |          | $\Box$   |          |            | 120        |          |          | $\perp$ |    |          |          |          |          |             |      |
| - |                                       | 21   | ļ           | -           | _        | ┢          | L          | L        | <u> </u> | -            | -              | ┨          |          | 71<br>72   | ├        |          |              | -        | $\dashv$ | -            | -        | -        | $\dashv$ | -          | 121        | -        |          | +       | +- | L        | -        | $\vdash$ | $\dashv$ |             |      |
| ł |                                       | 22<br>23                                       | $\vdash$    | -           | -        | $\vdash$   | ┢          | $\vdash$ |          | -            | ╁╌             | 1          |          | 73         | +        |          | Н            | $\neg$   | $\neg$   | $\dashv$     | $\dashv$ | ┪        | $\dashv$ |            | 123        |          |          | +       | +- | +        | Н        |          | $\dashv$ |             |      |
| ļ |                                       | 24   | 上           |             |          |            |            |          |          |              |                | 1          |          | 74         |          |          |              | $\Box$   |          |              |          | $\Box$   |          |            | 124        |          |          |         | 工  |          |          |          |          |             |      |
| - |                                       | 25   | ┞-          | <u> </u>    |          | <u> </u> - | <u> </u>   | _        | L        | _            | -              | 1          |          | 75<br>76   | -        |          |              |          | -        | -            | +        | {        |          | -          | 125<br>126 |          | -        | +       | ╁  | ⊢        | Н        | $\dashv$ | ᅴ        |             |      |
| - |                                       | 26<br>27                                       | ╁           | ├           | -        | ┝          | H          | $\vdash$ | -        | -            | -              | 1          |          | 77         | ┝        |          |              |          | $\dashv$ | ᅥ            | ┪        | ┪        | $\dashv$ | -          | 127        |          |          | ╁       | +- | -        | Н        | $\dashv$ | $\dashv$ |             |      |
| l |                                       | 28   |             |             |          |            |            |          |          |              |                | 1          |          | 78         |          |          |              |          |          |              | $\Box$   |          |          |            | 128        |          |          |         |    |          |          |          |          |             |      |
|   |                                       | 29<br>30                                       | igspace     | L           | _        | ļ          | -          | _        | <u> </u> | <u> </u>     | _              |            |          | 79<br>80   | ļ        |          | _            | -        | -        | _            | $\dashv$ | 4        | $\dashv$ | -          | 129<br>130 | -        | -        | +       |    |          | <u> </u> |          |          |             |      |
| l | $\dashv$                              | 31   | ╁           | $\vdash$    | $\vdash$ | H          | -          |          | -        | -            | H              | 1          |          | 81         |          |          | Н            | $\dashv$ | $\dashv$ | ᅥ            | 十        | ┪        | $\neg$   | -          | 131        |          | +        | +       | ╁  |          | Н        | $\dashv$ | ⊣        |             |      |
|   |                                       | 32   |             |             |          |            |            |          |          |              |                | ] !        |          | 82         |          |          |              |          |          |              | $\Box$   | $\Box$   |          |            | 132        |          |          |         |    |          |          |          |          |             |      |
|   |                                       | 33<br>34                                       | ļ           | L           | L        |            | ļ          |          | <u></u>  | ├-           | -              | 1          |          | 83         |          |          | Ш            |          |          |              |          |          |          |            | 133        |          | 4        | +       | +- | -        | Н        |          |          |             |      |
| ŀ |                                       | 35   | -           | -           | -        | -          | ┢          | $\vdash$ |          | -            | <del> </del> - | 1          |          | 85         | $\vdash$ | Н        | Н            | -        | $\dashv$ | 7            | _        | ᆉ        | $\dashv$ | -          | 135        |          | +        | -       | ╁  | -        | Н        | $\dashv$ | $\dashv$ |             |      |
|   |                                       | 36   |             |             |          |            |            |          |          |              |                | 1          |          | 86         |          |          |              |          | $\Box$   | $\Box$       | $\Box$   | $\Box$   | $\Box$   |            | 136        |          |          |         |    |          |          |          |          | •           |      |
| - |                                       | 37<br>38                                       | ـ           | _           | -        |            | _          |          | _        | L            | <del> -</del>  | 1          |          | 87<br>88   | <u> </u> | _        | Н            |          | $\dashv$ |              | -+       | -        | -        | -          | 137<br>138 | -        | -        |         | ┿  | <u> </u> | Ш        |          | -        | . •         |      |
| ł |                                       | 39   | $\vdash$    | $\vdash$    | -        |            | -          | $\vdash$ | H        | $\vdash$     | ╁              | 1          |          | 89         | H        | H        | $\dashv$     | $\dashv$ | -        | +            | $\dashv$ | 7        | ┥.       | <u> </u>   | 139        |          | $\dashv$ | +       | +  | -        |          | $\vdash$ | ᅱ        |             |      |
| l |                                       | 40   |             |             |          |            |            |          |          |              |                | 1          |          | 90         |          | $\prod$  |              |          |          |              |          |          |          |            | 140        |          |          |         |    |          |          |          |          |             |      |
|   |                                       | 41   | L           |             |          | L          | lacksquare | L        | <u> </u> | <u> </u>     | ļ              |            |          | 91         | $\vdash$ | Щ        | _            | $\dashv$ | _        | _            | -        | 4        | 4        | <u> </u>   | 141        | Н        | $\dashv$ | _       | +  | L        | Н        |          | _        |             |      |
| - |                                       | 42<br>43                                       | $\vdash$    | -           | $\vdash$ | -          | -          | -        | $\vdash$ | $\vdash$     | ╁              |            |          | 92         | $\vdash$ | Н        | Н            | $\dashv$ | -        | $\dashv$     | $\dashv$ | ┥        | $\dashv$ | -          | 142        | Н        | +        | +       | +  | Н        | Н        | Н        | $\dashv$ |             |      |
| İ |                                       | 44   |             |             |          |            |            |          |          |              |                | 1          |          | 94         |          |          |              |          |          |              | $\Box$   | _        |          |            | 144        |          |          |         | 1  |          | 口        |          |          |             |      |
| - |                                       | 45   | <u> </u>    | L           | L        | _          | <u> </u>   | _        | <u> </u> | -            | $\vdash$       |            |          | 95         | $\vdash$ | Щ        | Ц            | [        |          | -            | -        |          | $\dashv$ | -          | 145        |          | -        | _       | +  | $\vdash$ | $\sqcup$ | Н        |          |             |      |
| ŀ | $\dashv$                              | 46<br>47                                       | ┢           | -           | $\vdash$ | H          | $\vdash$   | H        | $\vdash$ | $\vdash$     | $\vdash$       | 1          |          | 96<br>97   | H        | Н        | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$ | -          | 146<br>147 | $\vdash$ | $\dashv$ | ╁       | +- | $\vdash$ | Н        | $\vdash$ | -        |             |      |
| ţ |                                       | 48   |             |             |          |            |            |          |          |              |                | 1          |          | 98         |          |          |              |          | 口        | $\Box$       | $\Box$   |          |          |            | 148        |          |          | 士       | #  |          |          |          |          |             |      |
| ŀ |                                       | 49<br>50                                       | <u> </u>    | _           | <u> </u> | <u> </u>   |            | L        | _        | -            | <u> </u>       | 1          |          | 99<br>100  | $\vdash$ | Щ        |              | 4        | -        | $\dashv$     | -        | 4        | $\dashv$ | -          | 149<br>150 |          | -        | 4       | +  | <u> </u> | Н        | dash     | _        |             |      |
| ι | 1                                     | 30   | Ц.          |             | L        | L          |            |          |          | 1            | Щ.             | J          |          | 1100       | L:       | لـــا    | ш            |          |          |              | 1        | _        |          | <u> </u>   | 1 100      | لـــا    |          |         | Т- | Щ.       | ш        | Щ        |          | l           |      |
|   |                                       |  |             |             |          |            |            |          |          |              |                |            |          |            |          |          |              |          |          |              |          |          |          |            |            |          |          |         |    |          |          |          |          |             |      |

Application No.

Index of Claims

Applicant(s)